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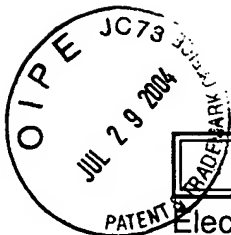
Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 65487
Application ID: 10719078
Title of Invention: liquid crystal wavelocker
apparatus and method
First Named Inventor: Shanti Cavanaugh
Domestic/Foreign Application: Domestic Application
Filing Date: 2003-11-21
Effective Receipt Date: 2004-07-29
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 2270
Attorney Docket Number: SPS-09



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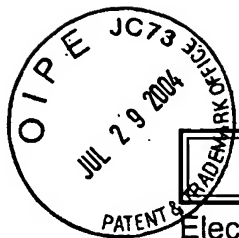


TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0


Title of Invention	liquid crystal wavelocker apparatus and method									
Application Number: 10/719078 										
Date: 2003-11-21										
First Named Applicant: Shanti Cavanaugh										
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<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Gary Zalewski Registered Number: 51068</td><td>gary zalewski</td><td>Agent</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Gary Zalewski Registered Number: 51068	gary zalewski	Agent		
Submitted by:	Elec. Sign.	Sign. Capacity								
Gary Zalewski Registered Number: 51068	gary zalewski	Agent								
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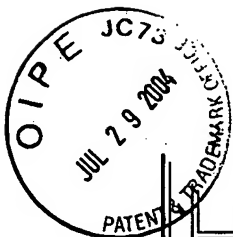


ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention							
	liquid crystal wavelocker apparatus and method						
Application Number: 10/719078 							
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First Named Applicant: Shanti Cavanaugh							
Attorney Docket Number: SPS-09							
Search string: (5528402 or 5877876 or 6515751 or 6323974 or 6417948 or 6285500 or 20030174331 or 20030173505 or 20030169789 or 20030123131 or 20030112837 or 20030107746 or 20030090808 or 20030090806 or 20030086452 or 20030081637 or 20030081309 or 20030063632 or 20030035119 or 20030026302 or 20030021304 or 20020126386).pn.							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5528402	1996-06-30	William Parker			
	2	5877876	1999-03-30	William Birdwell			
	3	6515751	2003-02-28	Craighead et. al			
	4	6323974	2001-11-27	Harris et. al			
	5	6417948	2002-07-09	Chowdhury et al.			
	6	6285500	2001-09-04	Ranalli et al.			
US Published Applications							
Note: Applicant is not required to submit a paper copy of cited US Published Applications							
init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20030174331	2002-03-15	Chen et al			
	2	20030173505	2003-03-14	Wipiejewski			
	3	20030169789	2003-03-06	Yoon			



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	5	20030112837	2001-12-13	Vakhshoori et al
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	11	20030081309	2002-09-27	Nishi et al
	12	20030063632	2001-11-28	Cruz et al
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	15	20030021304	2001-07-25	Pezeshki et al
	16	20020126386	2001-03-06	Jordan et al.

Signature

Examiner Name	Date